Project 2 System Test Plan

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Introduction

Provide an overview of your system plan. Describe how a tester would start the system.

This System Plan will contain **5** tests to fully verify the system meets all the requirements.

To start the SystemTestLog application:

- 1. Open eclipse on your computer and open the Project2 project file in the package explorer
- 2. Navigate into the src/ folder and right-click on the edu.ncsu.csc216.Application.view.ui package
- 3. In the resulting menu, expand the "Run as" tab and click on Java Application
- 4. The Program will open

Test Files

Prove the contents of any test files that are needed for testing.

Located in the test-files folder.

test-plans1.txt

- ! WolfScheduler
- # Invalid File, Equivalence Class
- * 1. Run WolfScheduler GUI
- 2. In the Load Course Catalog File Chooser dialog select: testfiles/invalid_course_records.txt
- 3. Click Select
- 4. Check Results
- 5. Close GUI
- * WolfSchedulerGUI loads

Course Catalog is empty

My Schedule is empty

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Course Details only shows labels
- PASS: everything is empty
- FAIL: courses are listed
- PASS: everything is empty
# Valid File, Requirements
* 1. Run WolfScheduler GUI
2. In the Load Course Catalog File Chooser dialog select: testfiles/ course records.txt
3. Click Select
4. Check Results
5. Close GUI
* Course catalog contains 13 courses
# Add No Selection, Invalid
* Precondition: Valid File test has passed
1. Make sure that no row in the Course Catalog table is selected
2. Click Add Course
3. Check results
4. Click OK
5. Close GUI
* A pop up dialog stating "No course is selected in the catalog." is displayed.
- FAIL: no pop up displays
! PackScheduler
# T24 Add new course, Requirements
* Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T23 has run
1. Enter the following course information:
Course Name: CSC 236
Course Title: Computer Organization and Assembly Language
Course Section: 001
Credits: 3
Instructor Id: lasher
Start Time: 10:15AM
End Time: 11:30AM
Meeting Days: Tuesday & Thursday
Click Add Course
Click OK
* Course is added to the list in the appropriate location
- PASS: course added (Lab 5)
- FAIL: course not added b/c of invalid course name (Lab 6)
# Invalid course name, Invalid
* Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T23 has run
1. Enter the following course information:
Course Name: CSC236
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Course Title: Computer Organization and Assembly Language

Course Section: 001

Credits: 3

Instructor Id: lasher
Start Time: 10:15AM
End Time: 11:30AM

Meeting Days: Tuesday & Thursday

Click Add Course

Click OK

* Error message: Invalid course name
- PASS: correct error message (Lab 5)

System Tests

Write at least 5 tests. We will grade the first five. Your tests should consider more complex scenarios than basic system startup and an invalid test file.

Test ID	Description	Expected Results	Actual Results
Test 1: UC	Preconditions: None	The GUI opens and displays the	The GUI opens and displays the
0/1/3/4/8		File menu to load [UC1], save	File menu to load [UC1], save
	1. Run SystemTestPlanGUI	[UC2], and clear [UC3] system	[UC2], and clear [UC3] system
Start GUI, Load	2. Check Results	state and buttons to work with	state and buttons to work with
STP File, Select	3. Click on "File" in top left of GUI, then	products (Add Product, Delete	products (Add Product, Delete
Current test list,	click "Load Test Plan(s)"	Product, and Edit	Product, and Edit
Clear System State,	4. In the Load Test Plan(s) FileChooser	Product)[UC5-7] and contains	Product)[UC5-7] and contains
List Cases in	dialog select:	empty test case table[UC 8] with	empty test case table[UC 8] with
Current Test Plan	test-files/test-plans1.txt	buttons to Move up, front, down,	buttons to Move up, front, down,
	5. Check Results	or back [UC 11] , and panel to	or back [UC 11] , and panel to
	Click "File" in the top left of the GUI,	Add/Remove a test case to the	Add/Remove a test case to the
	and then click "Clear Test Plan(s)"	current Plan[UC 9-10], and option	current Plan[UC 9-10], and option
	7. Check Results	to Record Actual Test Results [UC	to Record Actual Test Results [UC
	8. Click No	12]. The current Test plan is	12]. The current Test plan is
	9. Check Results	Failing Tests. The Test Case table	Failing Tests. The Test Case table
	10. Close GUI	is empty.	is empty.

		Test Case table should List:	Test Case table should List:
		• "T24 Add new course",	• "T24 Add new course",
		"Requirments",	"Requirments",
		"PackScheduler"	"PackScheduler"
		• "Valid File",	• "Valid File",
		"Requirments",	"Requirments",
		"WolfScheduler"	"WolfScheduler"
		 "Add no selection", 	 "Add no selection",
		"Invalid", "WolfScheduler	"Invalid", "WolfScheduler
		Warning pop-up dialog box pops	Warning pop-up dialog box pops
		up and says "Test Plans are	up and says "Test Plans are
		unsaved. Would you like to save	unsaved. Would you like to save
		before clearing?"	before clearing?"
		The test case table is empty, and	The test case table is empty, and
		the current Test Plan is Failing	the current Test Plan is Failing
		Tests	Tests
Test 2: UC 5/6/7	Preconditions: none	A pop-up dialog with the text "Test Plan Name?" prompts you	A pop-up dialog with the text "Test Plan Name?" prompts you
Add a Test plan,	1. Run STPGUI	for a String input.	for a String input.
Edit a test plan,	2. Click Add Test Plan		
Remove a test plan	3. Check Results	Current Test Plan should be	Current Test Plan should be
·	4. Enter " Nerf " into dialog box	"Nerf"	"Nerf"
	5. Click OK		
	6. Check Results	A pop-up dialog with the text	A pop-up dialog with the text
	7. Click Edit Test Plan	"Test Plan Name?" prompts you	"Test Plan Name?" prompts you
	8. Check Results	for a String input.	for a String input.
	9. Enter "NerfOrNothing" into dialog box		
	10. Click OK	Current Test Plan should be	Current Test Plan should be
	11. Check Results	"NerfOrNothing"	"NerfOrNothing"
	12. Click Remove Test Plan		
	13. Check Results	Current Test Plan should be	Current Test Plan should be
		Failing Tests	Failing Tests

Test 3: UC 9/10/11
Add a Test case to current plan, remove a test case from current plan, and order test cases in current plan

Preconditions: None

- 1. Run STPGUI
- 2. Check Results
- 3. Click on "File" in top left of GUI, then click "Load Test Plan(s)"
- 4. In the Load Test Plan(s) FileChooser dialog select: test-files/test-plans1.txt
- 5. Click Dropdown Menu for Current Test
 Plan and select PackScheduler
- 6. Check Results
- 7. In the Test Case table, click **Invalid** course name and click the **Move Up** button
- 8. Check Results
- Click on the Current Test Plan dropdown and select WolfScheduler, then select the last task. Then click on the Current Test Plan dropdown and select PackScheduler
- 10. In the right panel to add test case, Fill out the fields with the following information:
 - a. Test Case ID: "Invalid course section"
 - b. Test type: "Invalid"
 - c. Description: "Preconditions: none"
 - d. Expected Results: "Error Message: Invalid section"
 - e. Leave everything else blank
- 11. Click Add
- 12. Check Results

Test Case Table should include:

- "T24 Add new course",
 "Requirments", "FAIL"
- "Invalid course name", "Invalid", "PASS"

Test Case Table should include:

- "Invalid course name", "Invalid", "PASS"
- "T24 Add new course",
 "Requirments", "FAIL"

Test Case Table should include:

- "Invalid course name", "Invalid", "PASS"
- "T24 Add new course", "Requirments", "FAIL"
- "Invalid course section", "Invalid", "FAIL"

Test Case Table should include:

- "Invalid course name", "Invalid", "PASS"
- "T24 Add new course", "Requirments", "FAIL"

Test Case Table should include:

- "T24 Add new course",
 "Requirments", "FAIL"
- "Invalid course name", "Invalid", "PASS"

Test Case Table should include:

- "Invalid course name", "Invalid", "PASS"
- "T24 Add new course",
 "Requirments", "FAIL"

Test Case Table should include:

- "Invalid course name", "Invalid", "PASS"
- "T24 Add new course", "Requirments", "FAIL"
- "Invalid course section", "Invalid", "FAIL"

Test Case Table should include:

- "Invalid course name", "Invalid", "PASS"
- "T24 Add new course", "Requirments", "FAIL"

	13. Click on "Invalid course section" Test Case in the Test Case Table 14. Click Remove 15. Check Results		
Test 4: UC 12	Preconditions: Test 3	Test Case Table should include: "Invalid course name",	Test Case Table should include: • "Invalid course name",
Record Actual	1. Check Results	"Invalid", "PASS"	"Invalid", "PASS"
Results of a Test	2. Click on the Case "T24 Add new course"	 "T24 Add new course", 	 "T24 Add new course",
Case	3. In the Record Actual Results section, enter: "Course added"	"Requirments", "FAIL"	"Requirments", "FAIL"
	4. Select PASS for the in the "Pass or Fail?" section.	Test Case Table should include: • "Invalid course name",	Test Case Table should include: • "Invalid course name",
	5. Click Record Result	"Invalid", "PASS"	"Invalid", "PASS"
	6. Check Results	"T24 Add new course","Requirments", "PASS"	"T24 Add new course","Requirments", "PASS"
Test 5: UC 2, 13	Preconditions: Tests 3,4	Test Case Table should include: "Invalid course name",	Test Case Table should include: • "Invalid course name",
Save the System	1. Check results	"Invalid", "PASS"	"Invalid", "PASS"
State to a file,	2. In the top left of the GUI, click File and	 "T24 Add new course", 	 "T24 Add new course",
Close the GUI	then click Save	"Requirments", "PASS"	"Requirments", "PASS"
	3. In the Save Products FileChooser dialog		
	select:	actual_results.txt	actual_results.txt
	test-files/actual_results. txt	contains:	contains:
	4. Click Save	! PackScheduler	! PackScheduler
	5. Check Results	# Invalid course	# Invalid course
	6. Close GUI by clicking on the X in the top	name, Invalid	name, Invalid
	right of the GUI	* Preconditions:	* Preconditions:
		PackSchedulerGUI has loaded and registrar	PackSchedulerGUI has loaded and registrar
		user is logged in	user is logged in
		(T2). T23 has run	(T2). T23 has run
		1. Enter the following	1. Enter the following
		course information:	course information:
		Course Name: CSC236	Course Name: CSC236

Course Title: Computer Organization and Assembly Language Course Section: 001 Credits: 3 Instructor Id: lasher Start Time: 10:15AM End Time: 11:30AM Meeting Days: Tuesday & Thursday Click Add Course Click OK * Error message: Invalid course name - PASS: correct error message (Lab 5) # T24 Add new course, Requirements * Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T23 has run 1. Enter the following course information: Course Name: CSC 236 Course Title: Computer Organization and Assembly Language Course Section: 001 Credits: 3 Instructor Id: lasher Start Time: 10:15AM End Time: 11:30AM Meeting Days: Tuesday & Thursday

Click Add Course

Course Title: Computer Organization and Assembly Language Course Section: 001 Credits: 3 Instructor Id: lasher Start Time: 10:15AM End Time: 11:30AM Meeting Days: Tuesday & Thursday Click Add Course Click OK * Error message: Invalid course name - PASS: correct error message (Lab 5) # T24 Add new course, Requirements * Preconditions: PackSchedulerGUI has loaded and registrar user is logged in (T2). T23 has run 1. Enter the following course information: Course Name: CSC 236 Course Title: Computer Organization and Assembly Language Course Section: 001 Credits: 3 Instructor Id: lasher Start Time: 10:15AM End Time: 11:30AM Meeting Days: Tuesday & Thursday Click Add Course

Click OK Click OK * Course is added to * Course is added to the list in the the list in the appropriate location appropriate location - PASS: course added - PASS: course added (Lab 5) (Lab 5) - FAIL: course not - FAIL: course not added b/c of invalid added b/c of invalid course name (Lab 6) course name (Lab 6) - PASS: Course added - PASS: Course added ! WolfScheduler ! WolfScheduler # Invalid # Invalid File, Equivalence Class File, Equivalence Class * 1. Run WolfScheduler * 1. Run WolfScheduler GUT GUT 2. In the Load Course 2. In the Load Course Catalog File Chooser Catalog File Chooser dialog select: dialog select: testfiles/invalid cour testfiles/invalid cour se records.txt se records.txt 3. Click Select 3. Click Select 4. Check Results 4. Check Results 5. Close GUI 5. Close GUI * WolfSchedulerGUI * WolfSchedulerGUI loads loads Course Catalog is Course Catalog is empty empty My Schedule is empty My Schedule is empty Course Details only Course Details only shows labels shows labels - PASS: everything is - PASS: everything is empty empty - FAIL: courses are - FAIL: courses are listed listed - PASS: everything is - PASS: everything is empty empty

Valid # Valid File, Requirements File, Requirements * 1. Run WolfScheduler * 1. Run WolfScheduler GUT GUT 2. In the Load Course 2. In the Load Course Catalog File Chooser Catalog File Chooser dialog select: dialog select: testfiles/ course reco testfiles/ course reco rds.txt rds.txt 3. Click Select 3. Click Select 4. Check Results 4. Check Results 5. Close GUI 5. Close GUI * Course catalog * Course catalog contains 13 courses contains 13 courses # Add No # Add No Selection, Invalid Selection, Invalid * Precondition: Valid * Precondition: Valid File test has passed File test has passed 1. Make sure that no 1. Make sure that no row in the Course row in the Course Catalog table is Catalog table is selected selected 2. Click Add Course 2. Click Add Course 3. Check results 3. Check results 4. Click OK 4. Click OK 5. Close GUI 5. Close GUI * A pop up dialog * A pop up dialog stating "No course is stating "No course is selected in the selected in the catalog." is catalog." is displayed. displayed. - FAIL: no pop up - FAIL: no pop up displays displays